

**AMENDMENTS TO THE CLAIMS**

**Claims 1 - 2 (cancelled)**

**Claim 3 (currently amended):** A method as claimed in claim ~~1-48~~ wherein the electronic communication to the client is selectively by email or fax, and wherein the second computer program includes a utility to transmit the integrated report from the second program.

**Claim 4 (currently amended):** A method as claimed in claim ~~1-46~~ wherein the drop down menu is contained in a toolbar, wherein the toolbar functions to provide features for supplementing an application, selectively a word processing program.

**Claim 5 (currently amended):** A method as claimed in claim ~~1-46~~ wherein the menu includes a toolbar and the toolbar includes icons defining predetermined supplemental report characteristics, and wherein selected icons may be used by the clinical pathologist to supplement the laboratory analytical report.

**Claim 6 - 7 (cancelled)**

**Claim 8 (previously presented):** A method as claimed in claim 5 including selecting icons for disease states, and the disease states are selectively thyroid disease, behavior, autoimmune disease, or cancer.

**Claim 9 (previously presented):** A method as claimed in claim 5 including icons for selected levels of immunity from infectious disease, a titer of immunity from a disease agent(s) in the animal, and a need for vaccination of the animal against a disease.

**Claims 10 - 11 (cancelled)**

**Claim 12 (currently amended):** A method as claimed in claim ~~10-48~~ wherein the electronic communication to the client is selectively by e-mail or fax, and wherein the second computer program includes a utility to transmit the integrated report from the second.

**Claim 13 (cancelled)**

**Claim 14 (currently amended):** A method as claimed in claim ~~10-46~~ wherein the menu includes a toolbar and the toolbar includes icons defining predetermined supplemental report characteristics, and wherein selected icons may be used by the clinical pathologist to supplement the laboratory report.

**Claim 15 - 16 (cancelled)**

**Claim 17 (previously presented):** A method as claimed in claim 14 including selecting icons for disease states and the disease states are thyroid disease, behavior, autoimmune disease, or cancer.

**Claim 18 (previously presented):** A method as claimed in claim 14 including selecting the icons for levels of immunity from infectious disease, a titer of immunity from a disease in the animal, or a need for vaccination of the animal against a disease.

**Claims 19 - 40 (cancelled)**

**Claim 41 (currently amended):** A method as claimed in claim ~~10-46~~ including grouping the icons, the icons including textual information related to the diagnostic interpretation for adult, puppy-adolescent, geriatric, or large breed dog.

**Claim 42 (cancelled)**

**Claim 43 (currently amended):** A method as claimed in claim ~~1-46~~ including having an icon representing textual information related to the diagnostic interpretation for a disease state requiring treatment for thyroid disease and for an indication of thyroid autoantibody.

**Claim 44 (currently amended):** A method as claimed in claim ~~10-46~~ including having an icon representing textual information related to the diagnostic interpretation for a disease state requiring treatment for thyroid disease and for an indication of thyroid autoantibody, and wherein the groupings are for adult, puppy-adolescent, geriatric, and large breed dog.

**Claim 45 (cancelled)**

**Claim 46 (currently amended):**—~~A method as claimed in claim 1 including applying for the assessment of thyroid function for adult optimal levels the criteria of FT3 is less than 8 pg/mL and FT4 is less than 3 ng/dL.~~ A method of obtaining and electronically delivering a diagnosis of the health of an animal through a combination of computerized data and human interpretation related to the animal comprising:

obtaining data relating to the physical characteristics of the animal, the data being obtained from a physical inspection, family or breed history of the animal, and submitting the data to a clinical pathologist;

securing a blood sample from the animal and submitting the blood or other body fluid sample for laboratory analysis of the total T4, total T3, free T4, free T3, T3 autoantibody, T4 autoantibody and thyroglobulin autoantibody;

generating a computer report of the laboratory analysis;

reporting the analysis through a network to the clinical pathologist wherein the clinical pathologist has the data relating to the physical characteristics thereby making a preliminary diagnosis of the animal health;

integrating the reported analysis to the data and generating from a menu on a computer screen a supplemental diagnostic report in combination with the laboratory data to support the diagnosis; reporting the laboratory analytical report in a first computer program and wherein the menu is in a second computer program; transferring the data from the first computer program to the second computer program; configuring the second computer program to permit supplementation of the data from the first computer program, and including in the menu selectable icons defining predetermined supplemental report characteristics, the characteristics of the selectable icons being such as to be representative of textual content to be added to the supplementary report, and different selectable icons being individually related to animal characteristics of age and animal grouping, and wherein selectable icons related to animal characteristics are selected by the clinical pathologist to supplement the laboratory report, including selecting the selectable icons for animal characteristics dependant on age and animal

grouping, and further selecting and the selectable icons for groupings of the selected animal groups of adult, puppy-adolescent, geriatric, or large breed dog and selecting selectable icons for a disease state, being thyroid disease, the selectable icons being representative of being normal relative to thyroid disease, or abnormal relative to thyroid disease;

establishing optimal levels for thyroid disease analysis, the levels being defined by a range different to a laboratory reference range as presented in the laboratory report, there being established at least one category of optimum level, namely being from the categories of adequate optimal level, therapeutic response optimal level, the minimal expectations optimal level; and the optimal level for confirming autoimmune thyroiditis; and wherein the assessment of an adult optimal level of FT3 is less than 8 pg/mL and of FT4 is less than 3 ng/dL;

assessing thyroid function as part of the preliminary analysis by determining the correct category, and an analysis based on the laboratory report as applied in the correct category to thereby obtain a supplemental report; selectively enhancing the supplemental report by a further input from the pathologist through data entry, selectively keyboard entry, into the computer;

generating an integrated computer report having the laboratory analysis, supplemental report, and selectively an enhanced report; and

communicating the integrated or enhanced report to a remotely located client, such communicating being electronic.

**Claim 47 (currently amended):** ~~A method as claimed in claim 10 including applying for the assessment of thyroid function for adult optimal levels the criteria of FT3 is less than 8 pg/mL and FT4 is less than 3 ng/dL.~~ A method of providing a customized and electronically deliverable diagnosis of the health of an animal through a combination of computerized data and human interpretation related to the animal comprising:

obtaining data relating to the physical characteristics and family and breed history of the animal, the data being obtained from a physical inspection of the animal, and the data submitted to a clinical pathologist;

securing a blood sample from the animal and submitting the blood sample for laboratory analysis of the total T4, total T3, free T4, free T3, T3 autoantibody, T4 autoantibody and thyroglobulin autoantibody;

generating a computer report of the laboratory analysis;

reporting the analysis through a network to the clinical pathologist wherein the clinical pathologist has the data relating to the physical characteristics thereby making a preliminary diagnosis of the animal health;

integrating the reported analysis to the data and generating from a menu on a computer screen a supplemental diagnostic report in combination with the laboratory data to support the diagnosis; reporting the laboratory analytical report in a first computer program and wherein the menu is in a second computer program; transferring the data from the first computer program to the second computer program; configuring the second computer program to permit supplementation of the data from the first computer program, and including in the menu selectable icons defining predetermined supplemental report characteristics, the characteristics of the selectable icons being such as to be representative of textual content to be added to the supplementary report, and different selectable icons being individually related to animal characteristics of age and animal grouping, and wherein selectable icons are used by the clinical pathologist to supplement the laboratory report, including selecting the selectable icons for animal characteristics dependant on age and animal grouping, and selecting the selectable icons for groupings of the selected animal groups of adult, puppy-adolescent, geriatric, or large breed dog, and selecting the selectable icons for a disease state, being thyroid disease, the selectable icons being representative of being normal relative to thyroid disease, or abnormal relative to thyroid disease;

selectively enhancing the supplemental report by a further input from the pathologist through entry, selectively keyboard entry, into the computer;

establishing optimal levels for thyroid disease analysis, the levels being defined by a range different to a laboratory reference range as presented in the laboratory report, there being established at least one category of optimum level, namely being from the categories of adequate optimal level, therapeutic response optimal level, the minimal expectations optimal level; and the

optimal level for confirming autoimmune thyroiditis; and wherein the assessment of an adult optimal level of FT3 is less than 8 pg/mL and of FT4 is less than 3 ng/dL;

assessing thyroid function as part of the preliminary analysis by determining the correct category, and an analysis based on the laboratory report as applied in the correct category to thereby obtain a supplemental report; generating an integrated computer report having the laboratory analysis, supplemental report, and selectively an enhanced report; and

communicating the integrated or enhanced report to a remotely located client, such communicating being electronic.

**Claim 48 (currently amended):** ~~A method as claimed in claim 25 including applying for the assessment of thyroid function for adult optimal levels the criteria of FT3 is less than 8 pg/mL and FT4 is less than 3 ng/dL.~~ A method of obtaining and electronically delivering a diagnosis of the health of an animal through a combination of computerized data and human interpretation related to the animal comprising:

obtaining data relating to the physical characteristics and family and breed history of the animal, the data being obtained from at least one of a physical inspection of the animal or other analysis of the animal, and the data is submitted to a clinical pathologist;

securing a blood sample or other bodily fluid from the animal and submitting the blood or other body fluid sample for laboratory analysis of the total T4, total T3, free T4, free T3, T3 autoantibody, T4 autoantibody and thyroglobulin autoantibody;

generating a computer report of the laboratory analysis;

integrating the report to the data for supplemental analysis, the supplemental analysis being related to the data relating to the physical characteristics, thereby making a preliminary diagnosis of the animal health;

selecting for animal characteristics dependant on age and animal grouping, and selecting groupings of the selected animal groups of adult, puppy-adolescent, geriatric, or large breed dog and selecting for a disease state, being thyroid disease, the selection being representative of being normal relative to thyroid disease, or abnormal relative to thyroid disease;

establishing optimal levels for thyroid disease analysis, the levels being defined by a range different to a laboratory reference range as presented in the laboratory report, there being established at least one category of optimum level, namely being from the categories of adequate optimal level, therapeutic response optimal level, the minimal expectations optimal level; and the optimal level for confirming autoimmune thyroiditis; and wherein the assessment of an adult optimal level of FT3 is less than 8 pg/mL and of FT4 is less than 3 ng/dL;

assessing thyroid function as part of the preliminary analysis by determining the correct category, and an analysis based on the laboratory report as applied in the correct category to thereby obtain a supplemental report; selectively enhancing the supplemental report by a further input from a pathologist through data entry, selectively keyboard entry, into the computer;

generating an integrated computer report having the laboratory analysis, supplemental report, and selectively an enhanced report; and

communicating the integrated or enhanced report to a remotely located client, such communicating being electronic.

**Claim 49 (cancelled)**